

ABSTRACT

A joist (10) comprises an upper chord (12), a lower chord (14) and a plurality of compression and tension webs (16/18) extending between the chords (12/14) and secured thereto by means of bolts (50). A single bolt (50) per connection or nodal point is used to secure the compression and tension webs (16/18) to the chords (12/14). The metal joist (10) can easily be assembled in a shop or directly on site without highly qualified labor.

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